

NUCLEAR DIVISION NEWS

a newspaper for employees of the nuclear division • union carbide corporation

UNION
CARBIDE

Vol. 9/No. 26 December 21, 1978

Holiday traditions abound in Division melting pot

Christmas, despite its religious overtones, has grown into a hodgepodge of customs and traditions gleaned from cultures all over the world—many from non-Christian celebrations and feasts. With interviews from our foreign-born employees and first generation people, we have put together a montage of a few of these customs.

It proves beyond doubt that Christmas, indeed, belongs to all of us.

German tradition—with a recent sprinkling of Belgian—characterizes Christmas at the **Ludemanns**. **Carl**, a member of ORNL's Physics Division; his wife, **Sigrid**, a native of Germany; and daughter, **Carol**; have "adopted" an American Field Service exchange student this year.

Marie-Christine Duhem from Ingelmunster, Belgium, related the Belgian tradition of **Sint Niklaas** to her American family: Unlike Santa with his reindeer-driven sleigh, this saint rides a white horse and his three soot-covered helpers, "Black Peters," lead a donkey laden with gifts. **Sint Niklaas** beats American Santa by almost a month when Black Peters climb down chimneys on the eve of December 6th. After depositing gifts in the children's wooden shoes, Black Peter polishes off his "reward"—some cake or cookies and a shot of whiskey to warm him on his travels.

Unknown to **Chris**, the **Ludemanns** acted out the part of Black Peter this month, but in lieu of wooden shoes, they substituted her bedroom slippers (see photo). To his surprise, **Ludemann** returned from work on the 6th to find a taste of Tennessee sour mash waiting on the kitchen table for "Black Peter."

Paramand Prasad, Mechanical Design in Y-12 Engineering, grew up in India. "We have no equivalent for

Christmas. There is a festival called **Diwali**, at which time Rama conquered the devil, and this victory is celebrated in November, at which time the New Year is begun in India. We have home lighting and many social things during this festival. There are others during the year, but none with the importance of **Diwali**," he said.

Marcos Beita, a member of the Paducah Laundry Department and a native of Costa Rica, said, "Our Christmas was quite similar to that in America. We would have big meals on Christmas Eve and Christmas Day with a roasted pig, lots of fresh bread and sweets. Many families would make a portal in a special room in their home with the manger and ceramic figures. Here the family would have evening prayer and Bible readings." **Marcos** explains that toys play an important role for the children in Costa Rica, too.

Robert J. Rodriguez is in Health Physics at ORGDP. The Cuban native and his parents and sisters live in different parts of the southeast United States. The big night for this Cuban family is "La Noche Buena" which means the good night. It is observed on Christmas Eve.

Rodriguez generally travels to Atlanta to be with his parents and



Slippers in lieu of wooden shoes —Ludemann

sisters. Spanish is spoken in the house, but **La Noche Buena** consists of a Cuban dinner prepared by his mother. The dinner includes black beans, rice, pork, special seasonings, creole sauce, wines, salads, vinegar, oils and yucca, which **Rodriguez** describes as sort of an elongated potato.

The **Hubermanns** (**Lily** of ORNL's Information Division and **Eliezer "Eli"** of Biology) bring traditions from his native Israel to their celebration of Hanukkah. During the eight days of Hanukkah, they practice the lighting of the menorah, the candelabrum which commemorates the rededication of the Temple of Jerusalem after its defilement by the Syrians in 165 B.C. **Lily** has a collection of six decorative menorahs from Israel.

On the last day of the holiday, the **Hubermanns** invite friends to their home to sing Hanukkah songs, accompanied by **Lily** on the piano. Later she serves homemade donuts and "latkes" (potato pancakes), and, especially for the children, nuts and "draidles" or toy tops.

Fred Zuschneid, of Toll Enrichment at ORGDP, is a native of Germany. Although his Christmas customs are American, he still observes one tradition that goes far back in his family.

As a youngster, his mother would always make roast goose stuffed with apples and aniseeds. This traditional

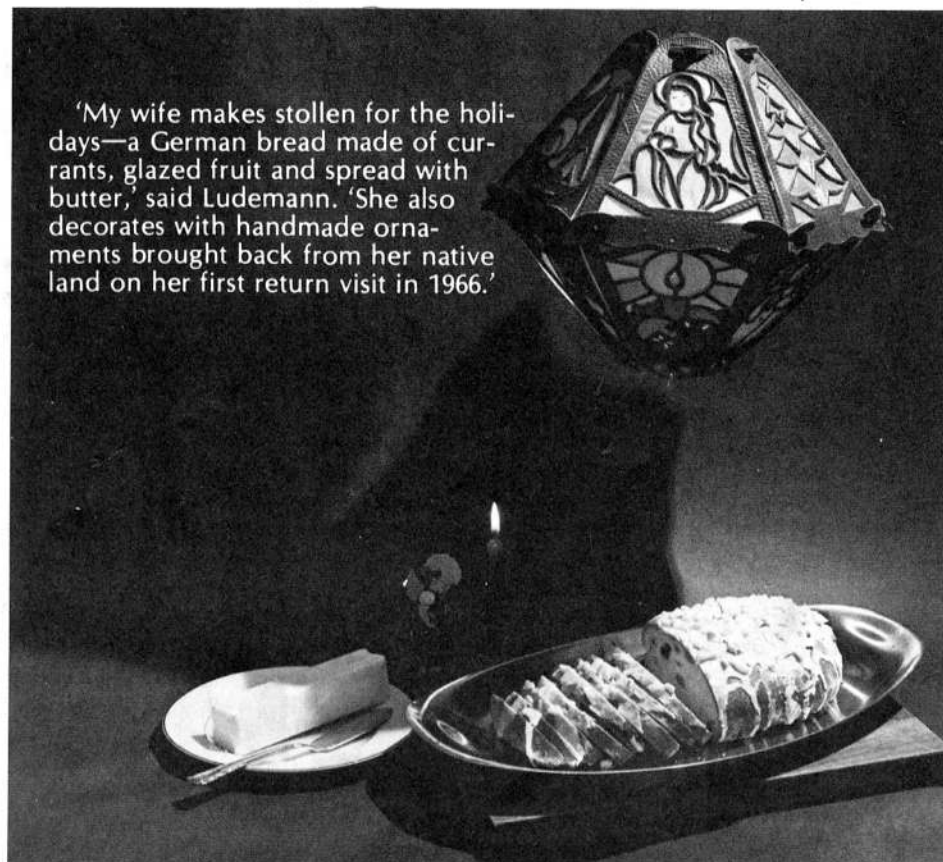
dinner on Christmas Day is served with sweet and sour red cabbage, potatoes and gravy. The most important aspect of the dinner at the **Zuschneids** is that it is cooked by **Fred** and enjoyed by his family.

Caroling has also been an important part of the Christmas season and has a special significance to **Zuschneid** because he is a descendant of **Franz Gruber** who wrote "Silent Night."

Although a native-born American, **Cleo Sideris**, whose parents were both born in Greece, gave some interesting customs in the Greek Orthodox observance of Christmas. "The big night as far as the Greeks are concerned is January 1. Christmas is a big family time, naturally, and the parallel to Santa Claus is **St. Basil**, who comes down from somewhere in Asia to reward good boys and girls. Twelfth Night is important too, or the Feast of the Magi. Another interesting custom is the blessing of the waters, honoring **St. John the Baptist**. The priest throws a cross in the water, and divers search for it. The finder is supposedly rewarded with good luck," **Sideris** explained. She is secretary to **Harvey Kite**, technical coordinator in Y-12.

"The one who gets the almond, gets his wish," says **Gene Larson**, PGDP Engineering Division, of his family's traditional Christmas dessert. **Larson** is of Swedish descent and explains that the Christmas menu was

(Please see page 8)



'My wife makes stollen for the holidays—a German bread made of currants, glazed fruit and spread with butter,' said **Ludemann**. 'She also decorates with handmade ornaments brought back from her native land on her first return visit in 1966.'

question box. . .

If you have questions on company policy, write the editor, **Nuclear Division News** (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

Blair intersection

QUESTION: You have discussed the Blair Road/Highway 58 intersection several times. Recently, a Y-12 employee "totaled" his new car while attempting to turn east on the Turnpike. Fortunately, he was not injured, but is now taking a much longer route to work. How long will this intolerable situation exist?

ANSWER: Several inquiries have been made to the Tennessee Regional Traffic Department in response to requests from Carbide employees to improve traffic flow at the Blair Road/Highway 58 intersection. As a result of these inquiries, some action has been taken. The deceleration and/or right-turn lane onto Blair Road off Highway 58 was reinstalled in November which has improved traffic flow to some extent. At the request of DOE, a survey was made by the State Regional Traffic Department to determine the feasibility of installing traffic lights at the intersection. As a result of this survey, the state, in accordance with its existing policies, determined that traffic lights are not warranted at this location.

We appreciate your concern, but approval for traffic improvement at this intersection must come from the state. If you disagree with the latest findings, we suggest concerned employees contact or write the Commissioner of the Department of Transportation (817 Highway Building, Nashville, TN 37219) or State Senator-elect James E. "Buzz" Elkins; and/or State Representatives-elect Randy McNally and James M. Henry.

Carry-over vacation

QUESTION: Why can't an employee carry a portion of his vacation into the next year before attaining 25 years' company service, rather than have the rush at the end of the year for those with vacation remaining? I always retain at least one week of my vacation until the end of the year, since it might be necessary to have some time off for emergencies.

ANSWER: Vacations are granted primarily to provide employees with time off for relaxation and/or rest. To the extent that vacation time is "carried over" this to some extent defeats this primary purpose.

wanted. . .

Y-12

RIDE from 17th Street, I-40, Knoxville, to West Portal, H Shift. D. W. Williams, 3-5202.

VAN POOL MEMBERS from Maryville to Y-12, 8-4:30. Joel Horton, home phone Maryville 983-9160, plant phone 3-2226.

However, the "carry over" privilege at 25 years occurs when the employee has five weeks of vacation which allows for a reasonable amount of time off even with the "carry over."

Most companies insist that vacations be taken each year or forfeited. In that respect UCC's policy of permitting employees with 25 years of service an opportunity to "carry over" some vacation is more liberal than most.

Nevertheless, your suggestion would have appeal to many employees. It will be considered when Union Carbide next reviews its benefit plans package.

Gifts to boss

QUESTION: What is Company policy on giving gifts to superiors?

ANSWER: The exchange of gifts of relatively low monetary value on a purely personal basis is acceptable. However, any gifts that would appear to or would, in fact, enhance an employee's treatment on the job by his/her supervisor should not be given or accepted.

ORNL

RIDE or JOIN VAN POOL from Inskip area, Knoxville, 8-4:30. Susan Hall, plant phone 3-1680, home phone 687-8061.

RIDE or JOIN CAR POOL from Ebenezer Road, Knoxville, to West Portal, straight days. Jenny Forte, plant phone 3-1449, home phone 690-8257.

FIFTH CAR POOL MEMBER from the vicinity of Landmark Subdivision, Country Club Apartments, Canby Hills or Gulf Park, Knoxville, to East or West Portal, 8:15-4:45. J. W. Sims, plant extension 3-1486, home phone 693-8829.

ONE or TWO CAR POOL MEMBERS from Powell, vicinity of Irwin Road and Beaver Creek Drive, to East Portal, 8-4:30. Eugene Lamb, plant phone 3-6483, home phone 947-6037.

CAR POOL MEMBERS from Lovell Heights area, Concord, to North or West Portal, 8-4:30. Jerry Dixon, plant phone 3-1108, home phone 966-1232.

ORGDP

JOIN CAR POOL or RIDE from Walker Springs Apartments in West Knoxville, to Portal 2, 7:45-4:15. Mike Elmore, plant phone 3-3132, home phone 690-8356.

PADUCAH

Three additional members in carpool in vicinity of Clark School, Paducah, day shift. Drive in rotation. Jim Sinquefield, 443-1842, or Martha Burgess, 443-6603.

Enjoying the leisure life. . .



Lee H. Barnett
ORGDP
Engineering
32 years service



George F. Blankenship
ORNL, Laboratory
Protection
33 years service



Keith B. Brown
ORNL
Chemical Technology
34 years service



Frank R. Bruce
ORNL, Central
Management
35 years service



William D. Cline
Patent Attorney
Law Department
32 years service



John H. Gann Jr.
ORNL, Finance and
Materials
28 years service



James T. Howe
Solid State, ORNL
32 years service



Edgar H. Kelley
ORGDP
Engineering
34 years service



Robert H. Kernohan
Solid State, ORNL
27 years service



Richard B. Lindauer
ORNL, Chemical
Technology
26 years service



Martin D. Medved
ORNL, General
Engineering
25 years service



Helen P. Raaen
Information, ORNL
27 years service



Vernon F. Raaen
Chemistry, ORNL
28 years service



Roy C. Scruggs
ORGDP
Maintenance
31 years service



Eldridge E. Smith
ORNL, Plant and
Equipment
26 years service



Jesse G. Spears
Y-12
Mechanical Inspection
34 years service



Ralph B. Stonecipher
Y-12 Special Services
26 years service



Benjamin F. Thomas
Y-12
Beta 4 Forming
32 years service



John R. Totter
Biology, ORNL
10 years service



William C. Tunnell
Y-12
Engineering
35 years service

7446-78

Barker, Vogt to direct Employee Relations—ORGDP, ORNL

Effective January 1, James A. Barker will become the Employee Relations Division Director at ORGDP, and Joseph J. Vogt will take the same position at ORNL. Vogt will report to Clyde C. Hopkins, executive director of ORNL, and Barker will report to Kenneth Sommerfeld, deputy manager of ORGDP.

5610-76

Barker, who joined Union Carbide in 1951, holds an MS and BS from the University of Tennessee. He has worked in salary administration, personnel and other positions in ORNL, and was named director of Employee Relations in 1972.

He has served on the executive committee of the Great Smoky Mountain Council of the Boy Scouts of America, is past vice chairman of the Anderson County Crippled Children's Committee, and is a past president of the Oak Ridge Junior Chamber of Commerce.

Barker and his wife, Dorothy, live at 420 Virginia Road, Oak Ridge. They have four children, James A Jr., Sherold, Jennifer and Byron.

Vogt has been with Union Carbide more than 21 years in various industrial relations capacities at facilities in West Virginia, Alabama, and the New York headquarters. He was named manager of the Employee Relations Division at ORGDP in 1973.

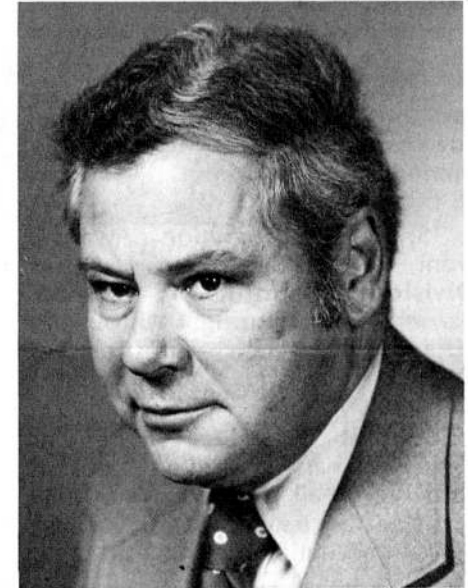
He is a graduate of Tusculum College, and served as an officer in the U.S. Navy for three years before joining Union Carbide. He has served as a football, basketball and baseball coach for the Oak Ridge Boys' Club; is president of the Alumni Association and a member of the board of trustees of Tusculum; and also serves on the college's council of distinguished visitors.

Vogt is now on the board of trustees of the Oak Ridge Hospital.

He is married to the former Kathy Kelly, and they live at 1058 West Outer Drive, Oak Ridge. They have a daughter, Karen Ledgerwood, and two sons, John and Kelly.



James A. Barker 78-5083



Joseph J. Vogt

Leon Fair and Amy Bates, Finance and Materials Division at ORNL, demonstrate Heimlich maneuver to rescue a choking victim.

First aid knowledge vital when a person is choking

"Visions of sugar plums. . ." "Oh, bring us a figgy pudding. . ." "Chestnuts roasting. . ." "Pass around the coffee and the pumpkin pie. . ."

Even though emergency or first-aid measures are not pleasant thoughts, they need to be considered, especially now when holiday foods abound. According to the American Council of Life Insurance, more people are killed by choking on food than in plane crashes or gun accidents. Death from choking has often been referred to as a "cafe coronary" since many observers often assume the victim is having a heart attack, when he is actually choking.

Two readily apparent signs can distinguish a heart attack victim from a choking case:

- A person who is choking cannot talk. A heart attack victim can.
- A person who is choking turns blue. Heart victims normally do not.

Death from choking occurs suddenly—in four minutes—and without warning. Quick reaction to the situation is important. Often a cough spasm or a hard slap on the back will dislodge the obstruction, but if the victim can't talk and begins to turn blue use the Heimlich Maneuver:

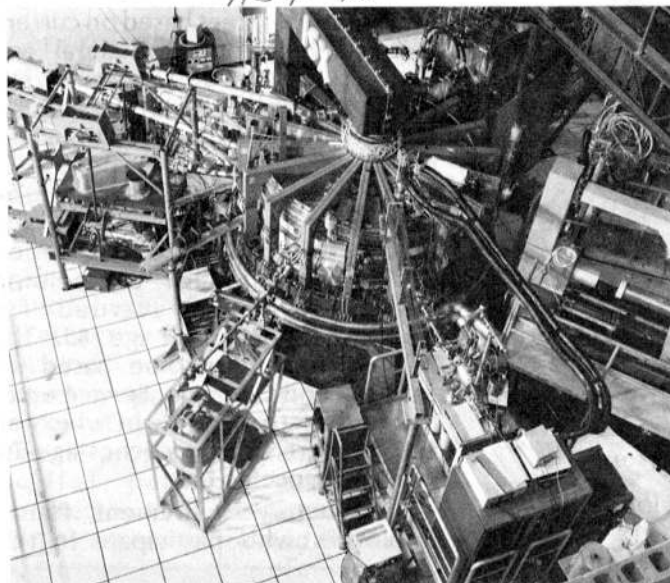
- 1) Standing behind the victim, place your arms around the victim's waist, slightly above the belt line and below the rib cage (see photo). Allow his head and upper torso to hang forward. Grasping one wrist with the other, press into the victim's abdomen rapidly and forcefully, repeating several times. This "reverse bearhug" pushes the diaphragm upward, compressing air into the lungs and results in the object being expelled from the breathing passage.

(Please see page 8)

New names, new goals for fusion devices

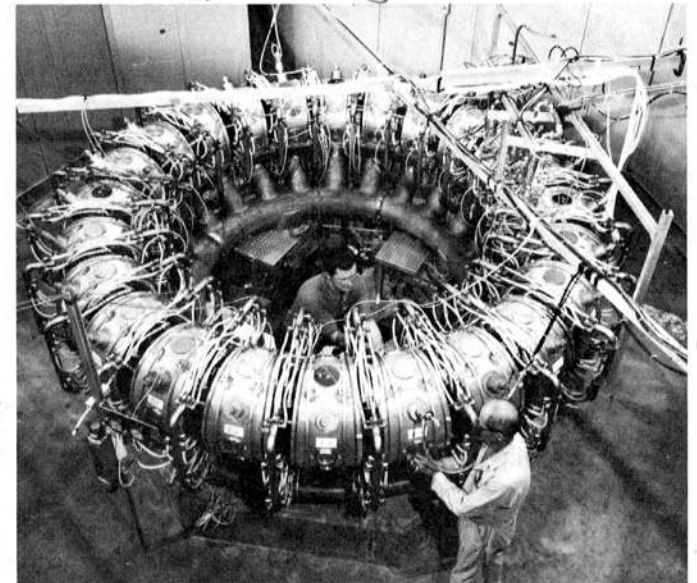
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2120-73



FUSION EXPERIMENTS UPGRADED—Two new experiments are underway this fall in ORNL's Fusion Energy Division, both involving modifications to devices that have already yielded results important to the nation's fusion program.

"ISX-B" (left photo) is a modification of the Impurity Study Experiment, which began operation in 1977 to study the role of impurities that can get into the fusion fuel and prevent its ignition. In addition to continuing these studies, ISX-B will enable researchers to study ways of improving the efficiency of the magnetic fields it uses to contain the fuel.



The second new experiment, ELMO Bumpy Torus Scale (EBT-S), is an upgraded version of ORNL's ELMO Bumpy Torus (EBT), shown at right during its construction in 1973. EBT-S will be operated at higher magnetic fields and power levels than the original EBT, in an effort to demonstrate that the principles of its operation will remain the same as the temperatures and densities are increased to more closely resemble those of an actual reactor. Because the temperatures and densities in EBT are determined by the availability of the microwaves it uses for heating, its modification to EBT-S has primarily involved the addition of a special, high-powered version of a device called a gyrotron, which produces microwaves.



SPRUCING UP—Robert W. Levin, chairman for the ORGDP Plant Appearance Program, goes over plans with J. Frank Jamison, who headed up efforts to keep ORGDP looking good last year.

Plant appearance program announces ORGDP winners

The ORGDP Plant Appearance Program came to an end in 1978 with the "Best Overall Award" being presented to Chris Travaglini, chairman, who accepted on behalf of the Townsite area. The "Most Improved Area Award" was presented to Ernie Evans, chairman for the area including and immediately surrounding the old K-25 building.

"Special Recognition Awards" went to the Separations Systems Division, Maintenance Division, Barrier Manufacturing Division and Finance, Materials and Services Division—Materials Management Department.

The Plant Appearance Program was initiated in early 1978 with the goal of sprucing up all plant areas, not only for appearance sake, but also because of the potential for making some

areas less hazardous for employees. The 1978 program was maintained throughout the year, whereas past programs stressed a single cleanup which usually came during the spring season.

J. Frank Jamison, superintendent of the Finance, Materials and Services Division, was chairman for the 1978 program. Robert W. Levin, director of the Technical Services Division, will be chairman for 1979.

Holidays galore

Nuclear Division employees have a stream of holidays coming up. Monday and Tuesday, December 25, 26 are official holidays, and Monday, January 1, is a day off.

No employee will be required to be at work unless his/her presence is required for continuous operations or plant security.

PH 78-5103

Peterson, Whitehead are named superintendents at ORGDP

78-5176



H. D. Whitehead Jr.

Two promotions have been announced in the Operations Division at ORGDP.

Carl H. Peterson has been named superintendent, Shift Operations and replacing him as department superintendent for Chemical and Toll Enrichment Operations is H. D. Whitehead Jr.

Peterson, a native of Bushnell, Fla., joined the Nuclear Division at ORGDP in 1969. He holds a BS degree in electrical engineering from the University of Florida and previously



Carl H. Peterson

worked for the Florida Power Corporation.

Peterson and his wife, the former Hella Kuhlmann of Bremen, West Germany, live at 1072 West Outer Drive, Oak Ridge. They have a daughter, Monika.

Whitehead, a native of Clinton, has a degree in chemical engineering from Georgia Tech. He joined ORGDP eight years ago.

He and his wife, Jean, live at 8628 Fox Lonas Road, Knoxville. They have two children, Emily and Mark.

For those employees wishing to schedule vacations around holidays during 1979, following is a list of those days off—10 in all—that we will enjoy during the coming year. It will be noted that only one, Independence Day, falls in the middle of the week. The remaining nine will afford long weekends for Nuclear Division employees.

Monday, January 1
Monday, February 19
Friday, April 13
Monday, May 28
Wednesday, July 4
Monday, September 3
Thursday, November 22
Friday, November 23
Monday, December 24
Tuesday, December 25

New Year's Day
Presidents' Birthdays
Good Friday
Memorial Day
Independence Day
Labor Day

Thanksgiving Days
Christmas Eve
Christmas

Compulsory retirement moved to age 70 for Nuclear Division

"How will the recent changes in the "forced" retirement age affect the Carbide benefits package?" was a question which arose in the Question Box back in August. The answer was a simple "We don't know as yet."

The question can be answered in full now.

The 1978 amendments to the Federal Age Discrimination Act prohibit, as of January 1, 1979, mandatory retirement of most employees in private industry prior to age 70, except for certain employees in an executive capacity.

As a result, Carbide employees covered by these amendments, who reach 65 in December 1978 or thereafter, may elect to defer retirement and continue to work until age 70 under federal law.

"Normal retirement age" under the Carbide retirement plans will continue to be age 65 and mandatory retirement will be at age 70, except in those states where mandatory retirement is prohibited. Mandatory retirement will be at age 65 for those who meet the executive exemption, except in California.

The changes in benefit programs affected by this legislation are summarized below. These changes represent our intent based on current understanding of the federal and state laws and are subject to change, if subsequent federal or state regulations or interpretations so require.

Pension Plan—Although the Company is not required by the federal legislation to accrue pension benefits beyond age 65, pension benefits will be accrued for employment beyond age 65. The Pension benefit will be based on earnings and Company Service up to the end of the month in which an employee retires or reaches age 70, whichever occurs first.

Contributory Retirement Plan—Employees who participate in this

plan and elect to continue employment beyond age 65 may (1) continue to participate in the plan, until the employee retires or reaches age 70, whichever occurs first, (2) suspend participation or (3) withdraw contributions. In all cases, benefits will not commence until retirement.

Group Insurance

Basic Life—The amount in effect at age 65 will be reduced by a certain percentage at age 65 and each year thereafter. The reduction will take place on the first of the month following the employee's 65th birthday and on the same date each year thereafter. The employee's premium will be based on the amount of life insurance in effect.

The actual percentage of reduction in Basic Life Insurance coverage will be determined after applicable governmental regulations are published.

Upon retirement, a reduced amount of life insurance will be continued, as provided in the Group Insurance Plan, based on the amount immediately in effect prior to the reduction at age 65.

Supplemental Life—Will be reduced in the same percentage amount and in the same manner as outlined above for Basic Life for those who elect to continue Supplemental Life in effect. The premium paid by the employee for continuation of reduced Supplemental Life beyond age 65 will be the same as the amount being paid at age 65.

Medical Insurance—(Hospital and Surgical Insurance and Major or Special Medical Insurance)—Present coverage will be continued, offset by Medicare as provided by local plans.

All other Benefit Plans will continue in effect for those employees who elect to continue employment beyond age 65.

If you have any questions, see your local Employee Relations representative.

safety scoreboard

Time worked without a lost-time accident through December 14:

Paducah	125 Days	1,576,000 Employee-Hours
ORGDP	2 Days	90,000 Employee-Hours
Y-12 Plant	246 Days	7,723,000 Employee-Hours
ORNL	45 Days	1,610,188 Employee-Hours

A different drummer. . .

Project Engineers launch miniature sailboats



As told by Doug MacNary

Ships ahoy! as Commodore Doug MacNary of ORNL's Engineering Division leads the Project Engineering Yacht Club and its seven small sailboats into the lakes of East Tennessee.

The Yacht Club and its activities were launched when MacNary, working on an ORNL engineering project in Ohio, spotted a fully rigged, small scale sailboat in the lobby of the Libby Owens Ford (LOF) building. Having sailed a dinghy and catamaran for 15 years, he couldn't resist a closer look.

MacNary learned the boat was being discontinued.

Impressed with the rig, MacNary contacted the LOF sales manager only to learn the boat was being discontinued, but the remaining stock was half-price.

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He purchased the 10½-foot boat and had it delivered to Oak Ridge. After sailing the craft on several lakes, MacNary demonstrated it to six other members of the Project Engineering staff. They each decided to purchase a boat of the same model.

Part-time sailing gave rise to the 'Project Engineering Yacht Club.'

The part-time sailors have now formed what they call the "Project Engineering Yacht Club," and MacNary is the commodore. Other members of the club are sailing novices—Bob Hill, Walt Cox, Pete Sothman, Terry Semple—and Annapolis-trained sailors, Joe Sheppard and Steve Floyd.

Terry Semple was the first recipient of the club's "Upside Down Trophy" when he overturned his boat. Although his life jacket provided ample flotation, he was relieved to



Steve Floyd, Doug MacNary and Bob Hill, members of the Project Engineering Yacht Club, assemble one of the 10½-foot boats.

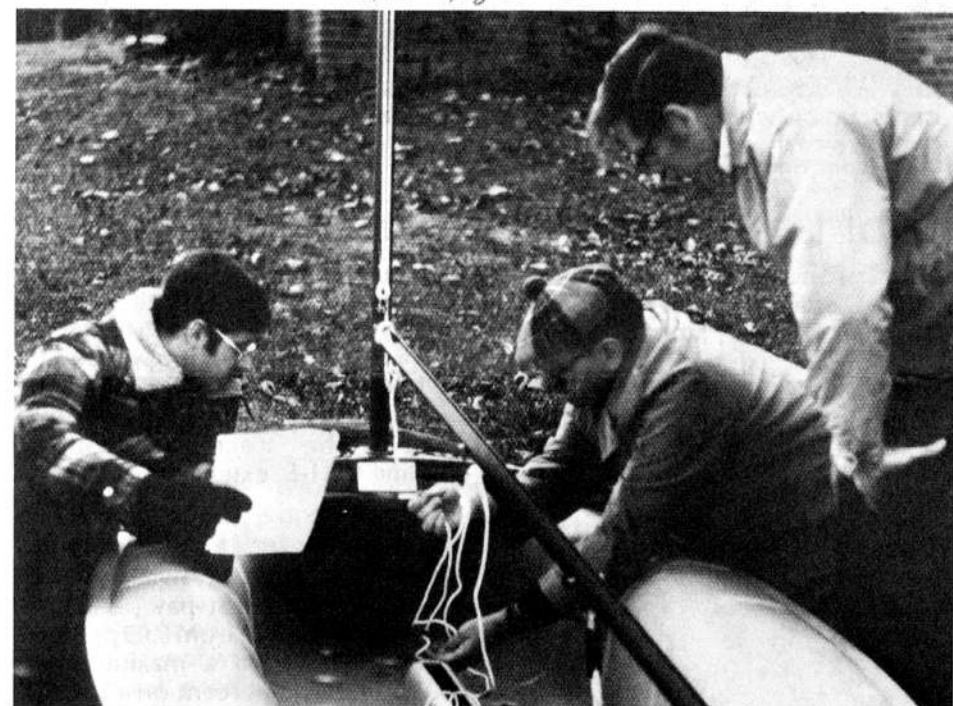
climb aboard the righted sailboat. Most recently MacNary received the award.

The 'toy boats' are small enough to be handled by children.

The engineers' families are involved in the nautical activities since the boat can be handled by children and carries two adults. Some sailing even has been done in

Sothman's swimming pool, where the neighborhood children have enjoyed the "toy boat."

The Project Engineering Yacht Club is looking forward to many years of energy-conserving recreation aboard their miniature sailboats and has plans for activities including endurance runs and races, as well as husband and wife contests where the wife sails as the husband commands. It sounds like the proper ingredients for mutiny aboard a sailboat.



Promoted at PGDP



Williams

Solon T. Williams has been promoted to maintenance coordinator in the Paducah Plant's Fabrication and Maintenance Division. Williams has been with the plant for 26 years, working as supervisor and assistant general supervisor in the weld shop. He graduated from Bailey Technical School in St. Louis, Mo.

Williams is a veteran of the U.S. Navy and is presently a member of the Retired Reserve. He resides on Route 9, Reidland with his wife, June. They have one daughter, Mrs. Tommy McMurtry.

Sixth annual WATtec set for February

"Energy and the Public" will be the theme of WATtec-79, the sixth annual energy conference and exhibition sponsored by technical and professional societies in the Knoxville-Oak Ridge area, to be held February 21-23 at the Hyatt Regency, Knoxville.

The conference annually attracts 800-900 registrants, some 40 U.S. and foreign firms which exhibit their energy-related products and services, and more than 2,000 additional exhibit attendees.

Features of the three-day program include:

•**Society-Sponsored Technical Sessions**—This segment of the technical program will feature 19 parallel half-day sessions organized by WATtec sponsoring societies on energy-related topics in their own specialties (February 21-22).

•**Plenary Session**—Russell W. Peterson, director, Office of Technology Assessment, U.S. Congress, will keynote this program which continues the WATtec emphasis on communication across disciplinary boundaries, addressing energy issues which affect the technical

community and society as a whole (February 23).

•**Public Awareness Symposium**—Four parallel workshops in which public participation is invited will deal with energy issues of special regional concern, including coal, nuclear power, energy in the Southeast and alternative sources (February 22).

•**WATtec/Engineers' Week Banquet**—An address by a prominent political or technical leader.

General chairman for WATtec-79 is Jerre W. Wilson, assistant to the manager of TVA's Office of Engineering Design and Construction. The vice chairman is Norbert J. Ackermann, president, Technology for Energy Corporation.

Nuclear Division representatives on the executive committee

responsible for conference planning include: Paul F. Boyer, Y-12; Domenic A. Canonico, ORNL; George R. Jasny, Engineering; and F. S. Patton, Engineering. Robert Stepp, Engineering, is assistant to the chairman, and Fred D. Mundt, Operating Contractors' Project Office, is secretary-treasurer.

Serving as committee chairmen are: management awareness, Joel W. Garber, ORGDP; plenary session, William Fulkerson, ORNL; registration, Margaret West, ORGDP; society presidents' program, James R. Weir, ORNL; and sponsorship, James E. Beavers, Engineering.

WATtec is sponsored by 29 chapters of professional societies in the Knoxville-Oak Ridge area. For further information on the program and registration contact: WATtec, P. O. Box 629, Oak Ridge, TN 37830.

recreationotes . . .

Carbide bowling. . .

Y-12 C League. . .

The Badgers have only a half-point lead over the Mini-Strikes in the "C" League. The B-Fives are only 1 1/2 points away from first place. Ray Waldrop of the Anodes holds the season high handicap game and series of 277/699.

UCC Mixed League. . .

The Roll-Aids lead the UCC Mixed League by one point over the Go-Getters. Frank Adams holds the season high handicap series for men with a 657. Bonnie Cooper holds the season high handicap series for women rolling a 698.

ORGDP Women's. . .

In the ORGDP Women's League, the Payoffs are leading over the Purchettes. Vickie Houston of the Starlites was "bowler of the week" rolling a 206-187-225-618 handicap series.

Shift League. . .

The Alley Cats have a one-point lead over the Spin Kings in the "A" Shift League. Johnny Wilson was bowler of the week with a 162-244-252-658 handicap series.

The next issue will be dated January 11. The deadline is January 3.

Classic League. . .

The Has Beens have a five-point lead over the Eightballs in the Classic League. Howard Horne rolled a 250 handicap game to help his Smelters team roll a 1068 high team game. The All Stars had the high weekly team series of 2982.

ORNL C League. . .

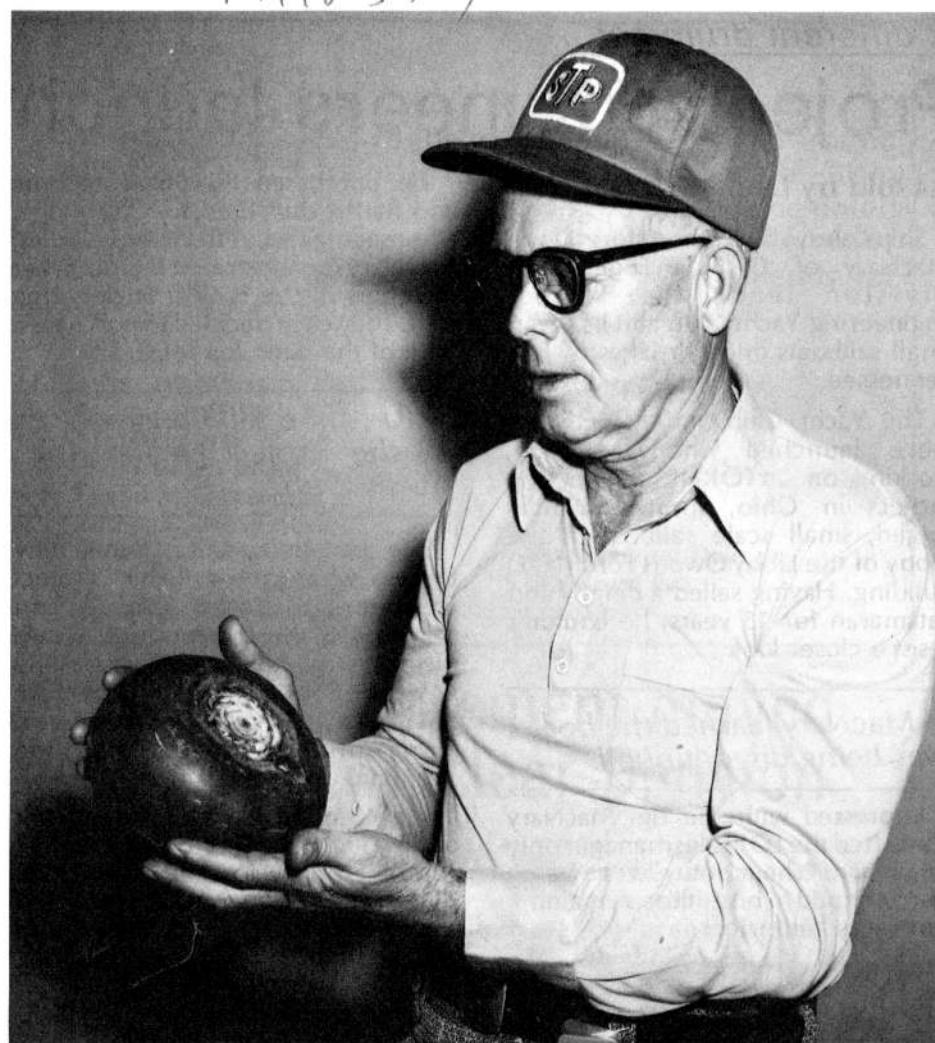
The Pin Heads lead the ORNL "C" League over the Remkeys. The Hit Men are in third place. Weekly prizes went to R. Alderfer, of the Hit Men, for high handicap game of 261. K. Brooks of the Alley Rads rolled a 643 handicap series.

ORNL Ladies League. . .

The Mousechasers have a commanding lead over the Bowling Aces in the Ladies League. Georgia Gwinn of the Mousechasers received all the weekly highs last week rolling a 232/256 game with a 580/652 series.

UCC Monday Mixed. . .

The Roadrunners are still holding onto first place in the UCC Monday Mixed League at Western Plaza. They have a four-game lead over the Four Eagles and a 4 1/2-game lead over Charley's Angels. If the Roadrunners can hold on for three more weeks, they'll win the first half. Peggy Shnider bowled a 191 to earn her the high handicap game spot with a 241 handicap game and 611 handicap series.



GREW AND GREW AND GREW—Finley and his turnip had nothing on Ed Hamilton, ORGDP! Hamilton grew this monster in his Oak Ridge garden and said that the late summer we had in October and November really made the produce grow.

Pistol League. . .

The first match of the winter All Carbide .22 caliber pistol league will be held on Tuesday, January 2, 1979, at the Oak Ridge Sportsman's Association. All Carbide employees are eligible to shoot in these matches. For more information contact Richard Gwaltney, League Director, 3-7648.

Tourney deadline. . .

The **deadline** is January 8, 1979, to get your entries for the All Carbide Mixed Bowling Tourney into the Recreation Office. Forms are available at the Ark or Tri-County Lanes. For further information contact the Recreation Office, Building 9711-5, extension 3-5833.

Social Security going up

Your Social Security will increase effective for the first pay period in 1979. It will increase from 6.05 percent of earnings up to a maximum of \$17,700 to a 6.13 percent on a \$22,900 base. The maximum tax goes from \$1,070.85 to \$1,403.77, an increase of \$332.92.



HERE WE GO AGAIN—Paducah employees greeted another early display of winter weather this year when a layer of ice crystalized the countryside the first week in December and temperatures dropped to the 'teens. Better planning seems to be in vogue this year as visions of last season's storms remain vivid in the minds of many.

NUCLEAR DIVISION NEWS

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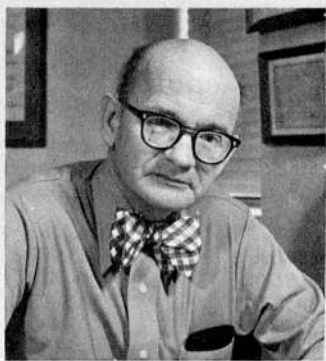
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Medicine Chest...

Holiday Imbibing

by T. A. Lincoln, M.D.

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 21, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)

QUESTION: "You had better remind people about the basic facts of the pharmacology and toxicity of alcohol and its economic impact. It's the holiday season and even though you may have written about this subject before, most drinkers learn slowly and forget quickly."

ANSWER: OK, here are the basic facts again but in a slightly different form than last season:

- The maximum concentration of alcohol in the blood from drinking three stiff drinks of whiskey occurs in approximately one hour.

- The metabolism of alcohol is slow—only about one ounce of whiskey per hour. Thus, blood alcohol goes up fast but comes down slowly.

Four beers constitute 'Under the Influence.'

- Approximately two ounces of whiskey or two cans or bottles of beer will produce a blood alcohol level of 50 mg. per 100cc or .05 percent in a 150-pound man which is "safe" from a driving standpoint. Approximately four ounces of whiskey or four bottles of beer will produce a blood alcohol level of 100 mg per 100 cc or .10 percent which is considered "under the influence."

- Alcohol absorption from the stomach and small intestine depends on the presence of food in these organs, the rate at which the alcohol

beverage is consumed and the concentration of alcohol in the beverage.

- Eight ounces of whiskey taken rapidly will produce a much higher blood alcohol level than 2 1/2-ounces taken four times at intervals of three hours. The total of 10 ounces allows for the metabolism of alcohol during the three hours. Even with this increased intake, the maximum blood level will be lower because the consumption has been spread out over a longer period of time.

- Concentrations of alcohol of from 10-30 percent, which are found in most cocktails and wines, are most rapidly absorbed.

Coffee not an antidote

- To reach a blood alcohol level which is "socially lubricating" but not intoxicating requires a careful titration of the speed, amount and concentration of the beverage consumed tempered with a delay due to food in the stomach and an allowance for metabolism. Intelligent people seem to be able to accomplish such a titration fairly easily. Unfortunately, alcohol abusers and inexperienced young people frequently quickly exceed a blood level of 150-200 mg. per 100cc (.15-.2 percent) which they maintain or increase by consuming more than one ounce of whiskey or equivalent per hour.

- For a given concentration of alcohol, the intoxication effects on



Ring in the new...

the brain are more severe when the blood level is rising than when it is receding.

- Coffee does not increase the metabolism of alcohol and does not detoxify it. It merely combats the depressive effect of alcohol. It is not an effective antidote.

- On the average, about four percent of drivers on the highway have concentrations of blood alcohol of 100 mg per 100cc (.1 percent) or greater. After 11 p.m. on Saturday nights and holidays, the percentage is much higher. It may be as high as 50 percent on city roads.

'Alcohol in 40 percent of fatal crashes.'

- In a Maryland study of 42 consecutive crashes, 26 of the drivers (62 percent) had blood alcohol levels of over .1 percent and in 14 crashes it was **only** the driver who had been drinking. The passengers had not been drinking. Why they allowed the drinker to drive is hard to explain.

- An intoxicating level of alcohol is usually found in 10 to 35 percent of drivers in accidents involving serious injuries and in 40 to 50 percent of fatal crashes.

'Americans spent \$30 billion on alcohol in 1974.'

- In 1974, three percent of the disposable income of Americans, or approximately \$30 billion, was spent on alcoholic beverages. Five billion gallons of alcohol were purchased or 2.66 gallons for each adult. When one considers that beer is less than four percent alcohol and many adults consume little or no alcohol, the consumption by many exceeds four beers or four ounces of whiskey per day, chiefly in the evening. The chances of passing or meeting a driver with more than .1 percent alcohol in his or her blood stream while you are driving about doing your Christmas shopping or visiting friends or relatives is almost 100 percent. Be careful!

Plans progressing for Union Carbide Retirees' Association



ORGANIZATIONAL MEETING—A Union Carbide Retirees' Association begins organizing as the above retirees lay plans for forming a group from all four of the Nuclear Division plants. From left are Stan Ashton, Ken Bahler, Marv Schween, Mac McIntyre, Virginia Donahue, Al Bissell, Ray Hill, Larry Studinger and Martin Gardiner. Details, as well as applications for retirees and those planning retirement soon, will follow.

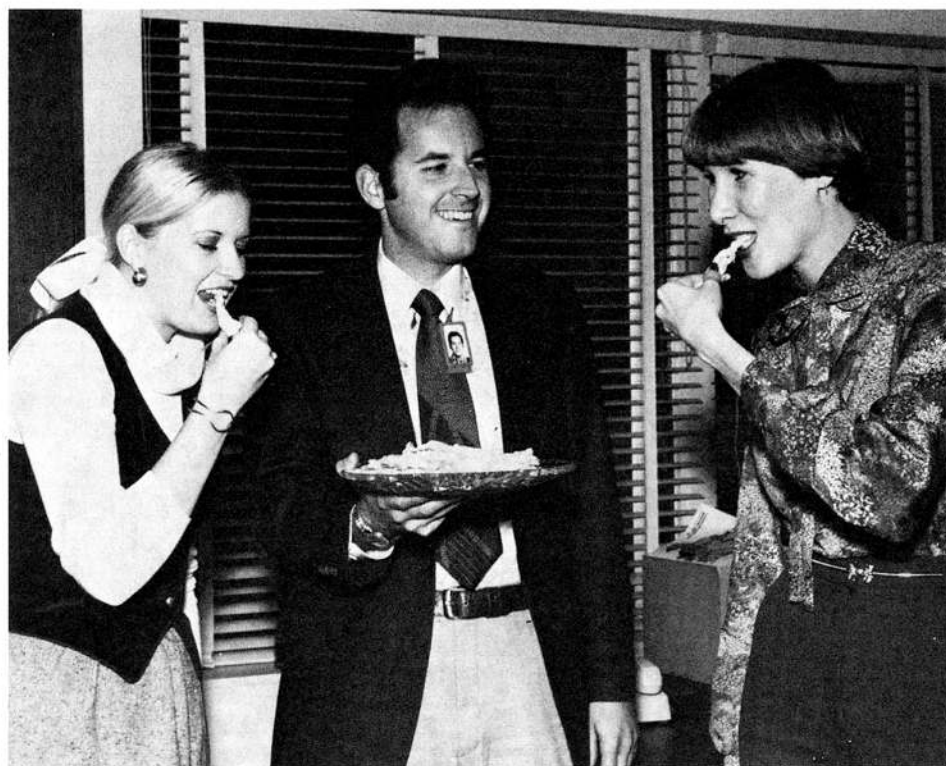


Sands promoted

Ruth C. Sands has been promoted to a building and grounds supervisor in ORNL's Operations Division.

She joined the Nuclear Division in 1972 after working as a substitute mail carrier for the United States Post Office.

Sands and her husband, Joe, have two children, Pamela and Christopher. They live at Route 21, Bob Gray Drive, Knoxville.



FOOD FOR THE DARLENES—Gus Kosinski, Paducah Technical Services Laboratory, shares some Polish pastry with Darlene Mazzone, left, and Darlene Coffey, right.

Melting pot. . .

(Continued from page 1)

the primary deviation from American tradition when he was a youth.

"Our traditional Christmas Eve meal centered around a main dish of lutfusk, an ocean cod fish which the kids in the family didn't necessarily look forward to. The fish was soaked in lye, creating an ultimately mushy main dish accompanied by Swedish brown beans and rye bread." Larson added that the occasion always demanded the use of the family silver. "When dinner was over, the spoon used to serve the lutfusk was usually black. I've always wondered what it must have done to my stomach," he said.

"The real treat was the rice pudding at the end of the meal. One whole almond was added to the pudding and the lucky person who found the almond in his dish got his wish," he explains.

Although Larson has gratefully sacrificed the lye-soaked lutfusk as a Christmas tradition, rye bread abounds during the holiday season. "I usually bake about a hundred loaves," he said.

Y-12 Engineering's **Maria Moto** was born in Cuba, migrating from there when she was six to grow up in Miami. Married to an Argentine, she says Latins actually celebrate two Christmases, December 25, from the American influence, and the Feast of the Three Wise Kings, January 6. The Feast is the big celebration, however, when gifts are exchanged. There are few turkeys in Cuba, but the tradition is to roast a pig. Her mother and father are coming up for the holidays to visit in Clinton, bringing banana leaves in which to roast the pig. Moto's task is to furnish the pig! Santa Claus is all American, she adds, but a lot of Cubans have adopted the jolly old fellow. "We have the best of it, doubling the celebration," she says. Instead of hanging stockings in Latin America, children put their shoes outside, and they are filled with gifts.

For **Micha Petek**, a member of ORNL's Solid State Division and a native of Czechoslovakia, Christmas is not so much gift-giving as "the

getting together of families and friends. Back home, only the children received presents."

"Our Christmas dinner featured stuffed cabbage, a huge pork roast and walnut bread. My aunt would decorate the loaf of walnut bread with fertility signs—chickens and piglets. This was for luck, to ensure food would be plentiful the next year.

"For dessert we would eat 'chesnica,' made of filo pastry leaves, honey and nuts. The most important ingredient was a coin hidden in one of the children's servings. The finder of the coin could redeem it for more money from the head of the household. It paid (literally) for the children to be on good terms with the cook."

Chrusciki (translated lover's knots) is one of **Gus Kosinski's** favorite Polish holiday delicacies. Kosinski heads the Paducah Technical Services Division's Technology Laboratory. Cooking traditionally begins a week before the holidays with the heads of the family, such as grandparents, preparing smoked ham and sausage, sweet breads, pierogi (a polish ravioli), golompie (stuffed cabbage), bobka (pastry loaf with cheese or raisins) and fresh ground horseradish. "The family would meet on Christmas Eve and join in a meatless meal. Before the meal was served, the neighborhood priest would come to the house and bless the food," he explained.

Heimlich maneuver. . .

(continued from page 3)

- 2) If the victim is lying on the floor, face and kneel astride him. Place one of your hands on top of the other and with the heel of your bottom hand, press in on the victim's abdomen with strong upward thrusts.
- 3) If you're alone and start to choke on food, wrap your arms tightly around your abdomen, bend over at the waist, and push in on your abdomen with the same upward motion described before.

Savings Plan-Personal Investment Account

	Fixed Income Fund	UCC Stock	Equity Investment Fund
December 76	13.0553	59.2723	8.8166
December 77	14.2017	40.9096	8.0427
September 78	15.1423	40.6270*	8.7728
October 78	15.2498	38.7613	8.1097
November 78	15.3597	35.5826	8.2480

*38.9381 in Dividend Reinvestment & Stock Purchase Plan

Note: Fixed Income Fund unit values reflect interest additions to achieve the guaranteed effective annual interest rate of 8.85% for 1978. Union Carbide stock values are the average cost of stock purchased during the month plus brokerage charges. Equity Investment Fund unit values represent the month-end market value of securities held by the Fund. The price of each unit is determined by dividing the total value of the securities by the number of units in the Fund.

Dates for blood drive changed

The blood drive in Y-12 has been moved forward one day, and will take place Wednesday and Thursday, January 3, 4. The site is the same, 9711-5, the Conference Room of the Cafeteria.

Division coordinators are busily scheduling donors now. If you have not contacted him/her, you may find them listed below.


A drive in Y-12 assures that every employee, plus members of the family, may have blood when it is needed, regardless of where the need takes place.

Y-12 Divisional contacts

Engineering
Support Engineering
Security, Plant Protection and Utilities
Development
Product Certification
Production Planning and Scheduling
Materials and Services
Technical
Employee Relations and Staff
Maintenance
Fabrication
Assembly
Metal Preparation
Biology
Fusion Energy
Engineering Technology
Centrifuge Project
Rust Engineering

Pam Moore, 3-2177
Doris Schrader, 3-5208
Joyce Key, 3-7125
Sandra Ealy, 3-5415
Al Stephens, 3-7263
Bob Forseman, 3-7749
Evadna Runcel, 3-2244
Neil Schultz, 3-7216
Robert T. Cantrell, 3-7382
Art Nine, 3-5074
Arlie Jenkins, 3-5912
Dennis Nabors, 3-5971
Ted Higgins, 3-5643
Stan Cook, 3-7106
Bill Wing, 3-5458
Marcelle Ruszkowski, 3-7744
Sue Kelly, 3-3103
Personnel, 3-5670

You might be thinking of the perfect gift this season. . . a gift for someone you don't know. . . a unit of life-saving blood.



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